1627

DATE: 12/10/2001

ENTERED

RAW SEQUENCE LISTING
DATENT ADDITION: US/09/8

PATENT APPLICATION: US/09/848,798A TIME: 11:15:20

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5 <110> APPLICANT: Siegel, Donald L.

9 <120> TITLE OF INVENTION: Rh(D)-BINDING PROTEINS AND MAGNETICALLY ACTIVATED CELL

11 SORTING METHOD FOR PRODUCTION THEREOF

15 <130> FILE REFERENCE: 09596-42U2

19 <140> CURRENT APPLICATION NUMBER: 09/848,798A

20 <141> CURRENT FILING DATE: 2001-05-04

24 <150> PRIOR APPLICATION NUMBER: 09/240,274

25 <151> PRIOR FILING DATE: 1999-05-02

28 <150> PRIOR APPLICATION NUMBER: 60/028,550

30 <151> PRIOR FILING DATE: 1996-10-11

34 <160> NUMBER OF SEQ ID NOS: 224

38 <170> SOFTWARE: PatentIn Ver. 2.0

42 <210> SEQ ID NO: 1

44 <211> LENGTH: 128

46 <212> TYPE: PRT

48 <213> ORGANISM: Homo sapiens

52 <220> FEATURE:

54 <223> OTHER INFORMATION: anti-Rh(D) chain B01

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66 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Ser Tyr

20 25 30

72 Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
74 35 40 45

78 Ala Ala Thr Ala Tyr Asp Gly Lys Asn Lys Tyr Tyr Ala Asp Ser Val

55

84 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Phe

36 65 70 75 80

90 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Phe Tyr Cys

2 85 90 9!

96 Ala Arg Gly Gly Phe Tyr Tyr Asp Ser Ser Gly Tyr Tyr Gly Leu Arg

98 100 105 110

102 His Tyr Phe Asp Ser Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

104 115 120 125

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118 <211> LENGTH: 124

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122 <213> ORGANISM: Homo sapiens

126 <220> FEATURE:

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132 <400> SEQUENCE: 2

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136 1 5 10 15

140 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Tyr

142 20 25

146 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

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148 40 152 Ser Val Ile Ser Tyr Asp Gly His His Lys Asn Tyr Ala Asp Ser Val 55 158 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr 70 164 Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys 90 85 170 Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Phe Asp 100 105 176 Ile Trp Gly Pro Gly Thr Met Val Thr Val Ser Ser 115 120 184 <210> SEQ ID NO: 3 186 <211> LENGTH: 124 188 <212> TYPE: PRT 190 <213> ORGANISM: Homo sapiens 194 <220> FEATURE: 196 <223> OTHER INFORMATION: anti-Rh(D) chain C03 200 <400> SEQUENCE: 3 202 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln His Gly Arg 208 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr 25 214 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 216 35 220 Ser Val Ile Ser Tyr Asp Gly His His Lys Asn Tyr Ala Asp Ser Val 222 226 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr 70 75 232 Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys 85 238 Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Phe Asp 105 110 244 Ile Trp Gly Pro Gly Thr Met Val Thr Val Ser Ser 115 120 252 <210> SEQ ID NO: 4 254 <211> LENGTH: 124 256 <212> TYPE: PRT 258 <213> ORGANISM: Homo sapiens 262 <220> FEATURE: 264 <223> OTHER INFORMATION: anti-Rh(D) chain C04 268 <400> SEQUENCE: 4 270 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg 276 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Thr Tyr 282 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 284 35 40 288 Ser Val Ile Ser Tyr Asp Gly His Asn Lys Asn Tyr Ala Asp Ser Val RAW SEQUENCE LISTING DATE: 12/10/2001 PATENT APPLICATION: US/09/848,798A TIME: 11:15:20

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294 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr 70 300 Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys 302 85 90 306 Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Ile Pro Phe Asp 105 110 100 312 Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser 115 320 <210> SEQ ID NO: 5 322 <211> LENGTH: 124 324 <212> TYPE: PRT 326 <213> ORGANISM: Homo sapiens 330 <220> FEATURE: 332 <223> OTHER INFORMATION: anti-Rh(D) chain C04 336 <400> SEQUENCE: 5 338 Glu Val Gln Leu Leu Glu Ser Gly Gly Val Val Gln Pro Gly Arg 344 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr 20 25 350 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 40 356 Ala Val Ile Ser Tyr Asp Gly Thr Asn Lys Tyr Phe Ala Asp Ser Val 50 362 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr 70 368 Leu Gln Met Thr Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Phe Cys 90 374 Ala Asn Leu Arg Gly Glu Val Thr Arg Arg Ala Ser Val Pro Leu Asp 105 100 380 Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser 382 115 120 388 <210> SEQ ID NO: 6 390 <211> LENGTH: 124 392 <212> TYPE: PRT 394 <213> ORGANISM: Homo sapiens 398 <220> FEATURE: 400 <223> OTHER INFORMATION: anti-Rh(D) chain C08 404 <400> SEQUENCE: 6 406 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg 408 1 5 10 412 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser Tyr 418 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 424 Ala Val Ile Ser Tyr Asp Gly Thr Asn Lys Tyr Phe Ala Asp Ser Val 430 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Lys Thr Leu Tyr 70 75 436 Leu Gln Met Thr Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Phe Cys RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/848,798A

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616 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Thr Tyr
                                     25
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622 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
628 Ala Val Ile Trp Phe Asp Gly Ser Asn Lys Glu Tyr Ala Asp Ser Val
                             55
634 Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
                                             75
                         70
640 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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646 Ala Arg Glu Glu Val Val Arg Gly Val Ile Leu Trp Ser Arg Lys Phe
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652 Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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666 <213> ORGANISM: Homo sapiens
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690 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
696 Ala Asp Ile Trp Phe Asp Gly Ser Asn Lys Asp Tyr Ala Asp Ser Val
702 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
708 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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714 Ala Arg Asp Trp Arg Val Arg Ala Phe Ser Ser Gly Trp Leu Ser Ala
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VERIFICATION SUMMARY

DATE: 12/10/2001

PATENT APPLICATION: US/09/848,798A

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